

Talkr.

One platform for team messaging, calls, remote support and everything in between.

Talkr replaces the usual stack — chat, video, remote desktop, notes, files, password manager, timesheets — with a single self-hosted binary and one database. Channels, threads and calls where you expect them; TeamViewer-class remote control, an encrypted credential vault and AI-compiled meeting recaps where you do not.

Self-hosted

Multi-tenant

Remote desktop control

Built-in TURN relay

11 AI providers

1

BINARY TO DEPLOY

482

REST ENDPOINTS

0

CLOUD DEPENDENCIES

5,956

AUTOMATED TESTS

THE PROBLEM

Six subscriptions, six data controllers, one conversation split across all of them.

A forty-person company typically pays for chat, video conferencing, remote support, a wiki, a password manager and a timesheet tool. Six vendors, six per-seat bills that scale with headcount, six privacy assessments, and a working day spent switching between them — with the context of any given piece of work scattered across all six.

Per-seat creep

Six subscriptions at €8–20 per user each. Growth makes the tooling bill grow faster than the team.

Context loss

The decision was in a call, the file in a drive, the reason in a wiki, the follow-up nowhere.

Data residency

Every message, recording and credential sits in someone else's jurisdiction.

Support friction

Helping a colleague or a customer means a separate remote tool with separate credentials.

THE SOLUTION

One deployable. Everything inside it.

Architecturally simple

One compiled binary and one PostgreSQL database. No message broker, no cache server, no object storage, no media server, no external processes. It runs on a single Linux host or as two containers.

Nothing leaves

Files on your disk, calls peer-to-peer through a relay running inside the same process, and the assistant pointed at a local model if you want one. No cloud storage, no content delivery network, no telemetry.

Whole-day coverage

Chat, calls, screen share, remote control, files, notes, whiteboards, calendar, meetings, tasks, time tracking, punch clock and a password vault — designed together rather than integrated afterwards.

THE PART NOBODY ELSE HAS

Remote desktop control, built in

Talkr includes full remote desktop control of Windows, macOS, Linux and Android machines through signed companion agents — screen capture, mouse and keyboard injection, and unattended saved connections. It is governed properly: a consent prompt on the host, an un-hideable on-screen banner for the entire session, a local keyboard kill switch, tenant scoping, administrator force-end, a maximum session duration with a warning, and an audit row per session recording both IP addresses and the number of input events.

For a managed service provider, that single capability removes a per-technician subscription and puts the support session in the same audit trail as everything else.

SUPPORT DESK IN A BOX

- Per-machine access ID and encrypted password
- Grouped machine folders and nicknames
- Unattended access with host approval
- Guest accounts bound to exactly one machine
- Nine-digit single-use invitation codes with a 48-hour life
- Self-updating agents distributed from the server

COMMUNICATE

Messaging and real-time media.

1 Messaging & channels

- Public, private and direct channels — plus embedded web channels that put an external tool in a channel pane
- Threads, reactions, edits within a configurable window, pins, mentions and attachments
- Read receipts, per-channel unread counts and mark-all-read
- Personal colour-coded labels on messages with multi-tag filtering
- Server-backed favourites that follow you across devices
- Live polls with single or multiple choice and real-time counts
- Presence, typing indicators, custom status, and a per-channel notification level
- Channel managers with pin, delete and membership rights
- Link previews through a request-guarded proxy; optional message translation

3 Files, notes & boards

- Folder tree with per-folder access levels, drag-and-drop upload, thumbnails and search
- **File versioning** — replace creates a new version, with history, download and restore
- Preview for images, PDF, audio waveform and video
- Markdown notes with autosave, notebooks, sharing with read or write rights, publish-to-channel and revocable public links
- Whiteboards, diagram editor with import from common diagram formats, sequence and entity-relationship editors
- Board version history with restore, present mode and channel sharing

2 Calls, screen share & recording

- Audio and video calls for up to eight participants, one active call per channel, with ringing and decline tracking
- Screen sharing with a **laser pointer** overlay; guests may watch but not initiate
- Capture a screenshot of a remote tile and post it to the channel
- Recording of audio or screen-with-audio, transcoded server-side with thumbnails and streamed playback
- **Live transcription** with speaker attribution, optional summary and action items, saved as a linked meeting note
- Five speech providers including two self-hosted options
- **An embedded relay** so calls traverse corporate firewalls without deploying a separate server
- Mobile call parity: wake lock, lock-screen ringing, answer and decline from the notification, cross-device ring cancellation

4 Password vault

- Personal and team scopes with tags, categories and favourites
- **AES-256-GCM encryption**; list views never carry the secret
- Unlock with a short-lived vault token — five minutes, held only in memory, auto-locking
- Unlock by login password, a dedicated passphrase, or a single-sign-on handshake
- Attempt throttling on unlock

Why one process matters. There is no broker to run out of disk, no cache to fall out of sync, no object store to bill you, and no media server to scale separately. When something goes wrong there is one place to look — which for a company without a platform team is the difference between owning the tool and being owned by it.

RUN THE BUSINESS

Work management, meetings and administration.

5 Tasks, time & calendar

- Task lists with owner, assignee, due dates and an assigned-to-me view
- Recurring reminders — once, daily, weekly, monthly or yearly — with timezone-aware firing and shared participants
- Start/stop time tracking with manual entries and a timesheet view
- **Punch clock** with shifts, manual entries and an audited correction trail carrying a reason and the old and new times
- Exports as PDF, CSV and HTML — downloadable, e-mailable, or posted to a channel
- Team calendar with attendees, RSVP, all-day events and calendar invitations
- Time-off tracking with vacation, sick, personal, parental and unpaid types, including half days
- Two-way synchronisation with Google Calendar and Microsoft 365

6 Meetings that leave a record

- Ordered agenda with presenter and duration, carried into the calendar invitation
- Attendance stored as real **join and leave segments**, opened automatically when someone joins the call
- Feedback questionnaire — including, by default, “could this have been handled in a message instead?”
- Conclusions become either assigned tasks or a recorded decision
- **AI-compiled recap** posted to the channel and e-mailed with an attendance table — with a deterministic fallback so a meeting never loses its record when the model is unavailable
- Overrunning meetings closed automatically; overdue recaps compiled
- Statistics: counts by type, total and average duration, person-time consumed, average usefulness, response rate, no-shows and action items owned

7 The assistant

- Eleven providers — five cloud, **six local or self-hosted**
- Summarise, draft a reply, extract action items into real tasks, translate
- Select text anywhere and improve, shorten, or change the register
- Per-organisation quotas on requests per hour and per day, and tokens per day and per month, with a usage log

8 Administration & operations

- Tenant administration: users, invitations, channels, retention, branding, single sign-on, mail and assistant configuration, audit log, storage
- Platform administration: tenants and organisations, impersonation, deployment node registry, self-update, migration console, log viewer with runtime level changes
- **GDPR tooling**: per-user anonymise and purge, bulk message and file purge, per-tenant view
- First-run setup wizard that installs the schema and generates a service unit
- Nightly retention sweeps for orphaned files, stale recordings, expired versions and dead subscriptions

Three clients

An installable progressive web app, a native desktop client, and companion remote-control agents for Windows, macOS, Linux and Android.

Deployment topology

The same artefact runs all-in-one or splits into front end, back end and scheduler roles, with automatic failover to a designated backup node.

White-label ready

Per-tenant application name, accent colour and logo, with tenant and organisation administration built for an operator serving many customers.

WHO BUYS IT

Teams that need the whole stack, on their own terms.

Managed service providers

The strongest fit by some distance. Chat, calls and full remote support in one tenanted platform, resellable per seat under your own name, with every support session audited.

IT support & helpdesks

Internal service desks that today pay separately for a chat tool and a remote tool, and reconcile the two by hand when something is questioned.

Small & mid-size companies

Designed around teams of up to fifty per tenant: one host, one bill, no platform team required, and no per-seat escalation as you hire.

Regulated & sovereignty-bound

Public sector, defence-adjacent, healthcare and finance back office — where the deciding question is which jurisdiction the message sits in.

Professional services

Consultancies and agencies billing by the hour: meetings with agendas and attendance, punch clock, timesheets and exports that survive an audit.

Teams with contractors

The guest role is containment, not a discount tier — allow-listed channels, read-only or read-write, upload gating, no access to files, notes, calls or the assistant.

Engineering & product teams

Whiteboards, diagram and sequence editors, markdown notes with publishing, and code-friendly channels — without a second wiki subscription.

Manufacturing & field operations

Punch clock and shift tracking alongside the communication tool, with remote control of machines and terminals in the same product.

White-label operators

Host it once and sell it many times: tenant administration, impersonation for support, per-tenant branding, and agent distribution from your own server.

WHO USES IT

Platform operator

Company administrator

Employee

External guest

Support-only remote guest

Channel manager

Meeting organiser

Five roles are enforced in code. The remote guest is worth noting: an account created by an administrator or an invitation code, bound to exactly one machine, able to start a support session for that machine and nothing else.

WHAT IT CONSOLIDATES

REPLACES	TYPICAL PER USER
Team chat platform	€7–13
Video conferencing	€10–16
Remote support tool	€25–60
Wiki / notes	€8–12
Password manager	€3–8
Time & attendance	€4–9

Indicative published list prices for comparable tools, for illustration only. Talkr is licensed per deployment, not per seat.

TECHNICAL SPECIFICATION

No runtime, no toolchain, no moving parts.

Runtime	Java 25 compiled to a native binary — no virtual machine at deployment
Framework	Spring Boot 4 with Spring Security 7
Database	PostgreSQL 16 or later, 71 versioned migrations
Front end	Server-rendered shells with hand-written ES modules — no Node, no bundler, no build step, no framework
Media	Encoding in-process; no external binaries invoked at runtime
Calls	Peer-to-peer; the server signals only. Media never passes through it, except through the embedded relay when a firewall requires it
Tenancy	Row-level isolation in one schema and one process
API	482 REST endpoints with OpenAPI, plus 16 real-time destinations
Deployment	Containers or a system service; non-root, random credentials generated at build
Quality	5 956 automated tests — more test code than production code

SECURITY & GOVERNANCE

- Five roles with guest containment enforced on two independent axes
- **TOTP multi-factor** with backup codes, replay protection and an organisation-wide enforcement policy
- **Single sign-on** per tenant via Google or Microsoft Entra ID, resolved by e-mail domain
- **AES-256-GCM at rest** for vault entries, machine passwords, authenticator secrets and every stored credential and API key
- Passwords hashed with bcrypt; session and refresh tokens stored hashed, with reuse detection
- Rate limiting across login, password reset, multi-factor, messaging, uploads, remote connect and vault unlock
- Content Security Policy, strict transport security, frame denial, restrictive permissions policy, hardened cookies
- Files never served from disk — always proxied, path-sanitised, symlinks never followed
- **Append-only audit log** by construction, with actor, action, resource, metadata, tenant, IP and agent
- GDPR anonymise and purge tooling, with configurable retention across files, recordings and versions

COMMERCIAL

Licensed per deployment. Not per seat.

Talkr is sold per tenant or per installation, with unlimited internal users, on-premise or hosted. Your saving is the stack of per-seat subscriptions it replaces — and the conversations, files and recordings stay on your own servers.

REVENUE	PER YEAR	REVENUE	PER YEAR
Up to €500k	€900	€100M	€13,000
€1M	€1,500	€500M	€37,000
€5M	€2,500	€1B	€52,000
€25M	€5,500		

Annual licence on your own turnover, ex VAT. The schedule is marginal like income tax — each slice of turnover is charged at its own rate, so there are no cliffs — with a €900 minimum and any yearly increase capped at 25%. Every tranche carries unlimited users, projects and organisations inside one tenant, self-hosting and support that rises with the tranche. Hosting and hardware are yours, AI runs on your own provider keys and is billed by them, and consultancy, setup, migration and training are quoted separately. Illustrative: six subscriptions at €10 per user a month bill a three-hundred-person company €36,000 a year; at €5M turnover this is €2,500.

Comparative pricing is indicative and drawn from publicly listed vendor pricing. Specifications may change.

NEXT STEP

Run it for a fortnight.

One host, one command, your own team. Count the subscriptions you did not open.

Sales	tim@automatize.eu
Partners	luc@automatize.eu
Web	automatize.eu